

~~411220~~ ML  
SOUTHMAYD & MILLER

1233 Twentieth Street, N.W.  
Second Floor  
Washington, D.C. 20036  
Telephone: (202) 331-4100  
Telecopier: (202) 331-4123

DEC 20 2 55 PM '91

DES

RECEIVED

December 20, 1991

DEC 20 1991

Federal Communications Commission  
Office of the Secretary

Ms. Donna R. Searcy  
Secretary  
Federal Communications Commission  
1919 M Street, N.W.  
Washington, D.C. 20554

Re: BPED-900905ML  
Allentown, Pennsylvania

Dear Ms. Searcy;

On behalf of Beacon Broadcasting Corporation, there is transmitted herewith, in triplicate, a minor amendment to the above-referenced application.

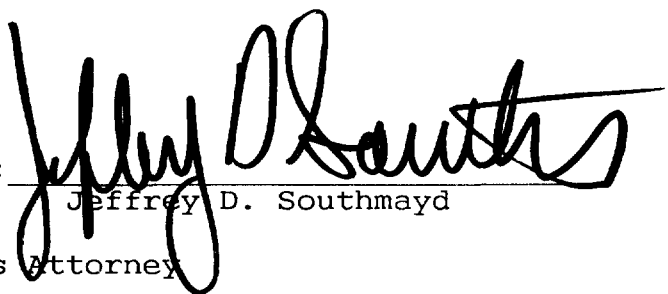
A copy of this amendment is being served on counsel for The Lehigh Valley Community Broadcasters Association.

Please contact the undersigned should you have any questions regarding this matter.

Very truly yours,

Beacon Broadcasting Corporation

By:

  
Jeffrey D. Southmayd  
Its Attorney

Enclosure

cc/enclosure: Malcolm G. Stevenson, Esquire

APPLICATION FOR CONSTRUCTION PERMIT FOR  
NONCOMMERCIAL EDUCATIONAL BROADCAST STATION  
(Carefully read instructions before filing form) Return only form to FCC

RECEIVED

For Commission Use Only

File No.

Section I - GENERAL INFORMATION

DEC 20 1991

1. Name of Applicant Beacon Broadcasting Corporation			Send notices and communications to the following person at the address below:		
Street Address or P.O. Box 401 North 17th Street, Suite 205			Name Jeffrey D. Southmayd c/o Southmayd & Miller		
City Allentown	State PA	ZIP Code 18104	City Washington	State DC	ZIP Code 20036
Telephone No. (Include Area Code) (215) 439-0044			Telephone No. (Include Area Code) (202) 331-4100		

2. This application is for: ☐ AM ☒ FM ☐ TV

(a) Channel No. or Frequency 207A
--------------------------------------

(b) Principal Community	City	State
	Allentown	PA

(c) Check one of the following boxes:

☐ Application for **NEW** station

☐ **MAJOR** change in licensed facilities; call sign: \_\_\_\_\_

☐ **MINOR** change in licensed facilities; call sign: \_\_\_\_\_

☐ **MAJOR** modification of construction permit; call sign: \_\_\_\_\_

File No. of construction permit: \_\_\_\_\_

☐ **MINOR** modification of construction permit; call sign: \_\_\_\_\_

File No. of construction permit: \_\_\_\_\_

☒ **AMENDMENT** to pending application; application file number: BPED-900905ML

**NOTE:** It is not necessary to use this form to amend a previously filed application. Should you do so, however, please submit only Section I and those other portions of the form that contain the amended information.

3. Is this application mutually exclusive with a renewal application? ☐ Yes ☒ No

If Yes, state:	Call letters	Community of License	
		City	State

SECTION VI - EQUAL EMPLOYMENT OPPORTUNITY PROGRAM

ORIGINAL

ENGINEERING STATEMENT

BEACON BROADCASTING CORPORATION

1000 LOCUST STREET, NEW YORK, NEW YORK 10020-1090

# ENGINEERING STATEMENT

## BEACON BROADCASTING CORPORATION APPLICATION FOR A NEW NON COMMERCIAL FM STATION ALLENTOWN, PENNSYLVANIA

Channel 207A

0.135 kw (Max) DA

245 Meters

This Engineering Statement is submitted in support of corrected Tables and Exhibits associated with Beacon Broadcasting Corporation's application (File #BPED-900905ML) for a new non commercial FM station proposing to serve Allentown, Pennsylvania. No changes are being presented in this Statement other than to correct an Exhibit showing the actual location of an existing tower that matches the geographical coordinates listed on FCC Form 340 and typo errors that occurred on two tables.

Table III is corrected to reflect the data shown in Table IV. Pages

TABLE III  
DISTANCE TO PROPOSED COVERAGE CONTOURS

BEACON BROADCASTING CORPORATION  
APPLICATION FOR A NEW  
NON COMMERCIAL FM STATION  
ALLENTOWN, PENNSYLVANIA

Channel 207A

0.135 kW(Max) DA

245 Meters

Azimuth True	Average Elevation 2-10 Miles (meters A.M.S.L.) <sup>1</sup>	Effective Antenna Height Above Average Terrain (Meters)	Effective Radiated Power (kW)	Distance to Proposed Contour (km)	
				70 dBu	60 dBu <sup>2</sup>
0	127.1	269.3	0.112	9.9	17.5
45	122.5	273.9	0.130	10.4	18.4
90	143.2	253.2	0.100	9.3	16.4
135	166.1	230.3	0.029	6.3	11.6
180	199.3	197.1	0.055	6.9	12.5
225	219.1	177.3	0.133	8.3	14.9
270	123.4	273.0	0.111	9.9	17.6
315	111.8	284.6	0.132	10.6	18.8

Ground elevation at site A.M.S.L.	283.4 meters
Average elevation of terrain (2-10 miles) A.M.S.L.	151.6 meters
Effective antenna height above average terrain	244.8 meters <sup>3</sup>
Effective antenna height above ground level	113.0 meters
Effective antenna height A.M.S.L.	396.4 meters
Overall tower height above ground level	203.6 meters
Overall tower height A.M.S.L.	487.0 meters

Coordinates

North Latitude: 40° 33' 54"

West Longitude: 75° 26' 26"

<sup>1</sup> Data taken from Television Station WFMZ (TV) records on file

## DIRECTIONAL ANTENNA INFORMATION

BEACON BROADCASTING CORPORATION  
APPLICATION FOR A NEW  
NON COMMERCIAL FM STATION  
ALLENTOWN, PENNSYLVANIA

Channel 207A

0.135 kW(Max) DA

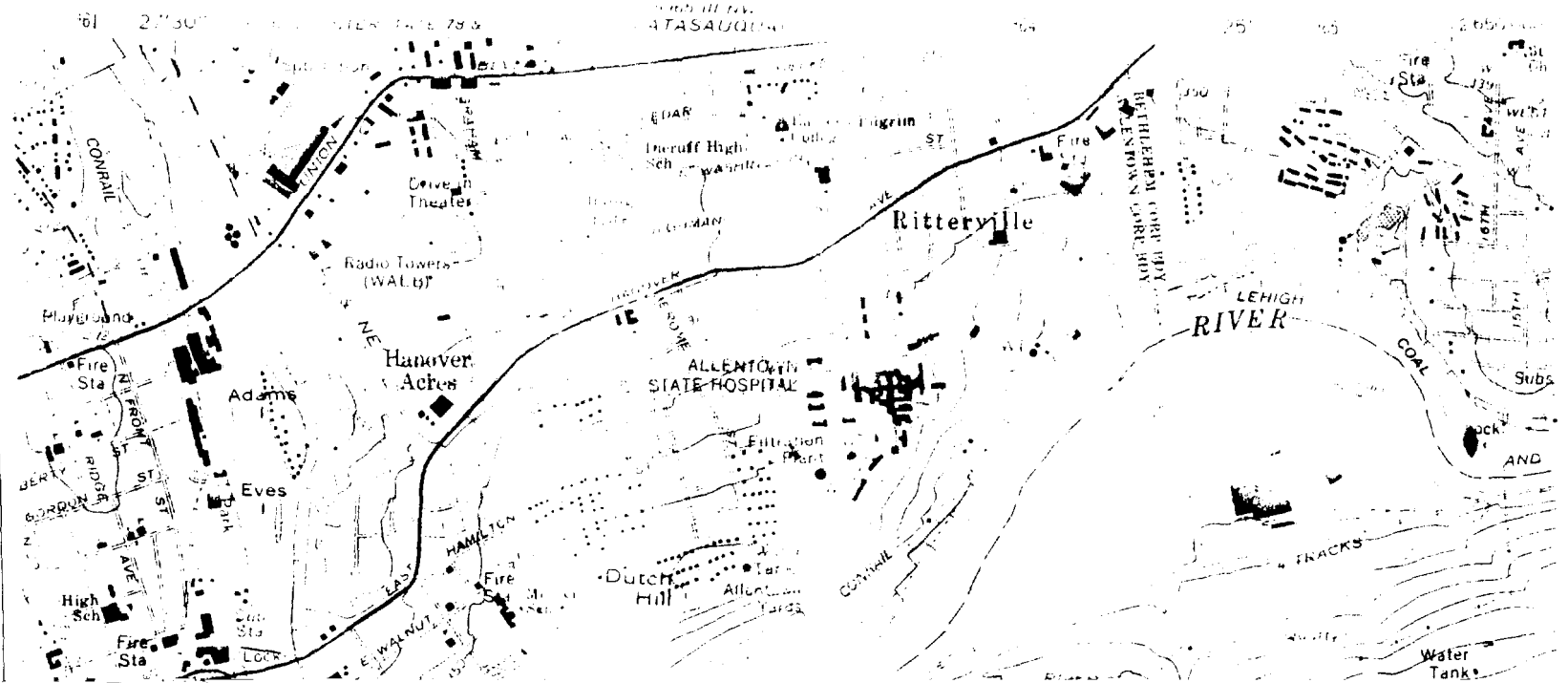
245 Meters

<u>Azimuth</u>	<u>Rel. Fld.</u>	<u>dB</u>	<u>dBk</u>	<u>kW</u>
0	0.910	-0.82	-9.52	0.112
10	0.899	-0.92	-9.62	0.109
20	0.908	-0.84	-9.54	0.111
30	0.932	-0.61	-9.31	0.117
40	0.967	-0.29	-8.99	0.126
45	0.981	-0.17	-8.87	0.130
50	0.991	-0.08	-8.78	0.132
60	1.000	-0.00	-8.70	0.135
70	0.982	-0.16	-8.86	0.130
80	0.929	-0.64	-9.34	0.116
90	0.859	-1.32	-10.02	0.100
100	0.754	-2.46	-11.16	0.077
110	0.636	-3.93	-12.63	0.055
120	0.546	-5.26	-13.96	0.040
130	0.485	-6.29	-14.99	0.032
135	0.465	-6.66	-15.36	0.029
140	0.452	-6.90	-15.60	0.028
150	0.452	-6.90	-15.60	0.028
160	0.485	-6.29	-14.99	0.032
170	0.546	-5.26	-13.96	0.040
180	0.636	-3.93	-12.63	0.055
190	0.754	-2.46	-11.16	0.077
200	0.859	-1.32	-10.02	0.100
210	0.935	-0.59	-9.29	0.118
220	0.982	-0.16	-8.86	0.130
225	0.995	-0.05	-8.75	0.133
230	1.000	0.00	-8.70	0.135
240	0.991	-0.08	-8.78	0.132
250	0.967	-0.29	-8.99	0.126

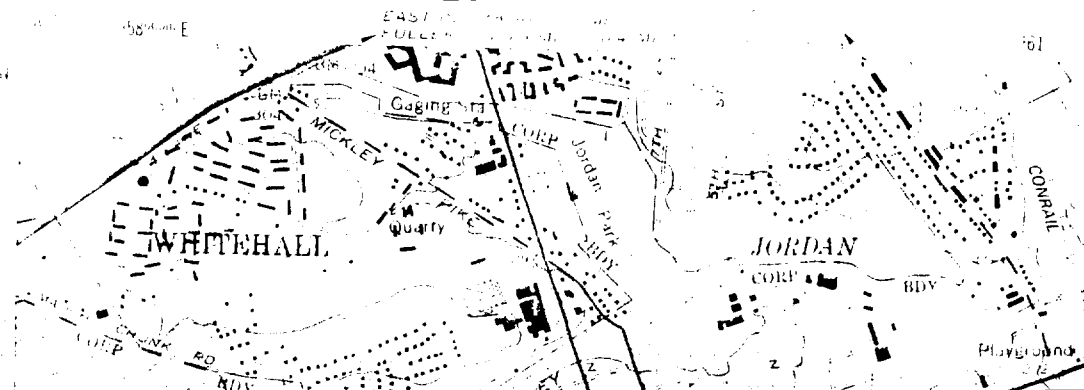




COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL RESOURCES  
TOPOGRAPHIC AND GEOLOGIC SURVEY



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY



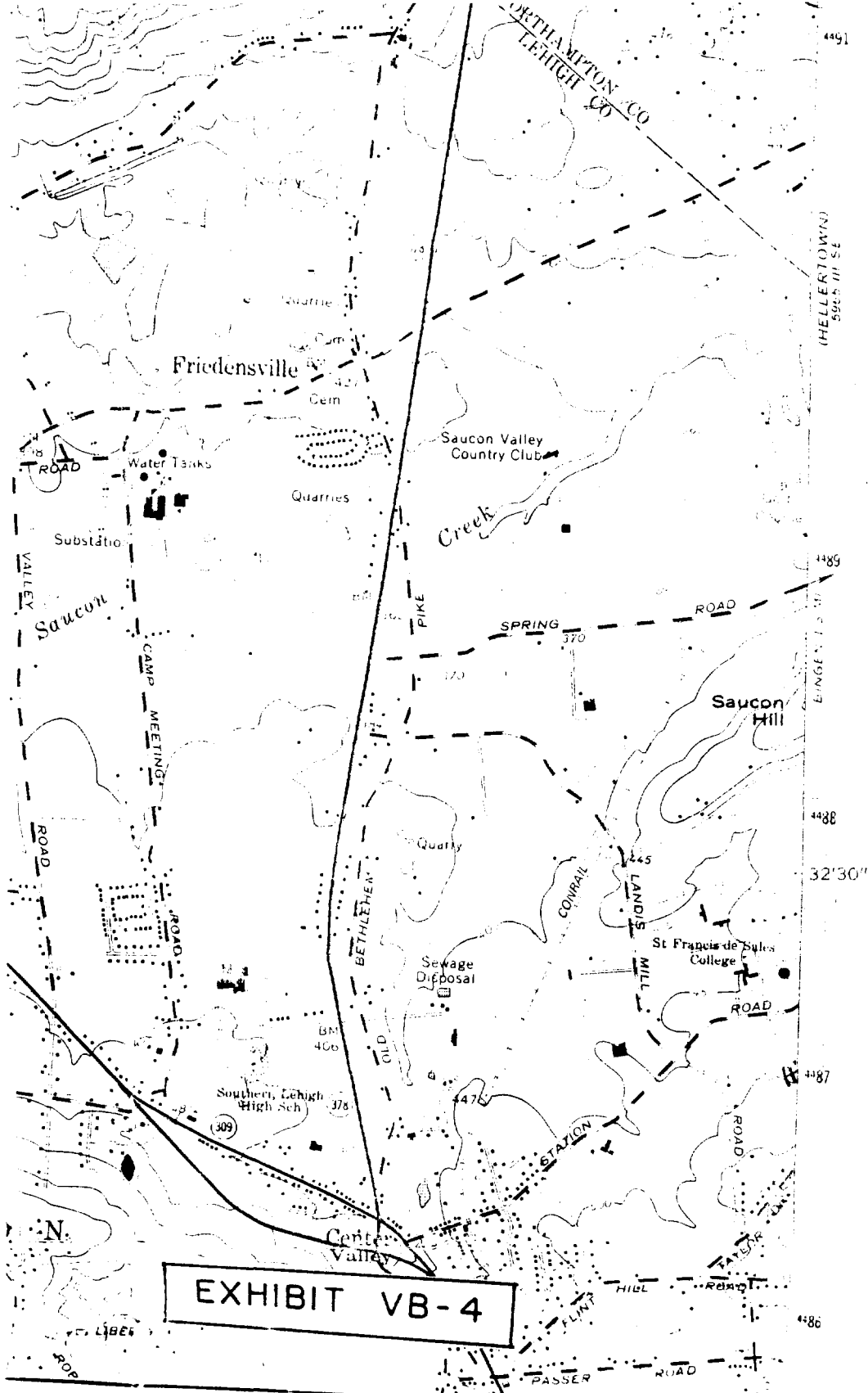


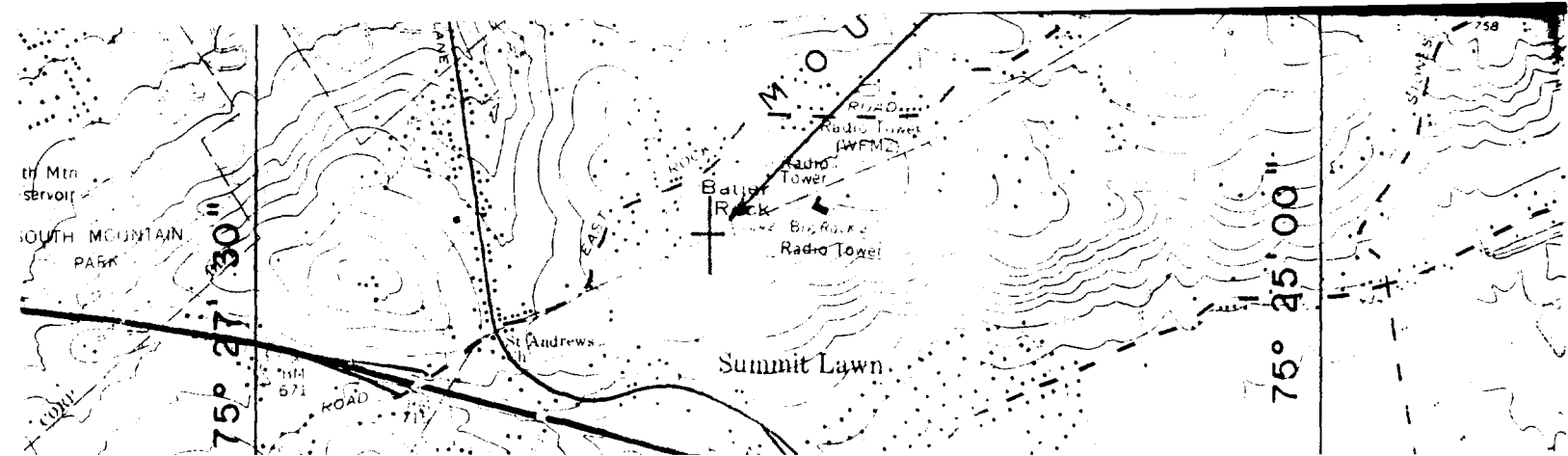
EXHIBIT VB-4

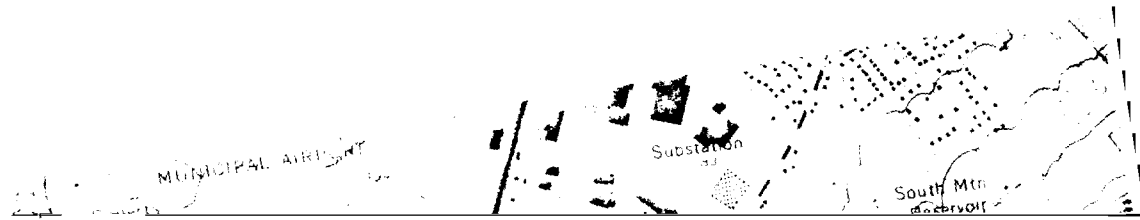
CORRECTED - REPLACES EXHIBITS VB-4A & VB-4B

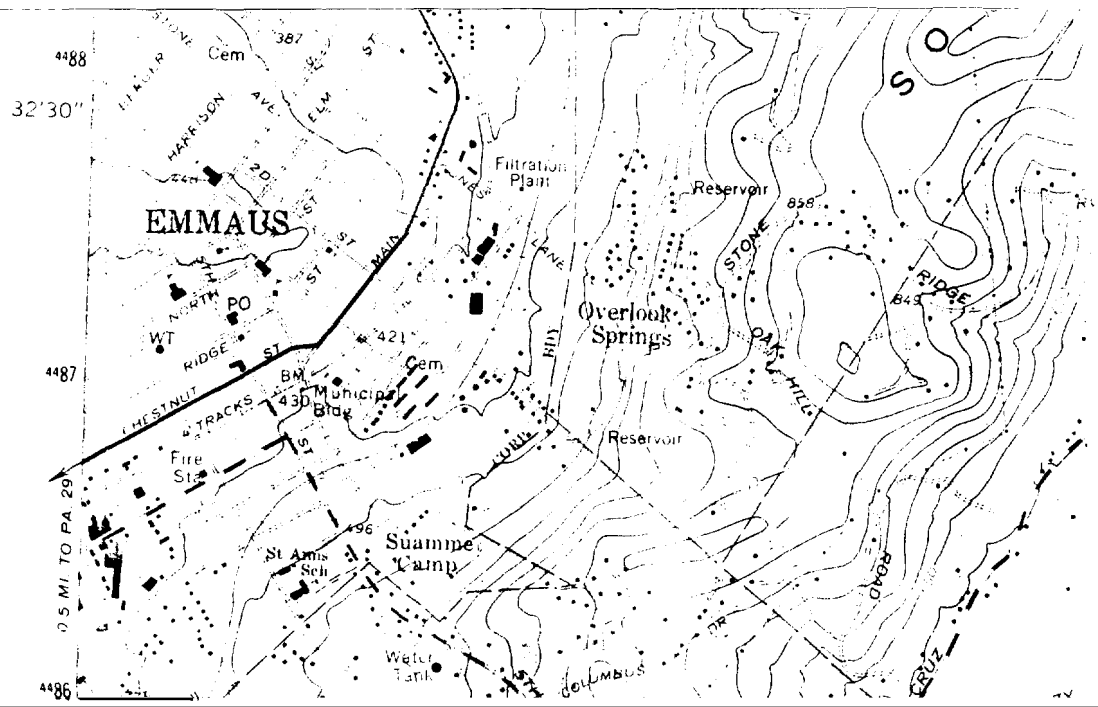
CON BROADCASTING CORPORATION  
FOR A NEW NON COMMERCIAL FM STATION  
ALLENTOWN, PENNSYLVANIA

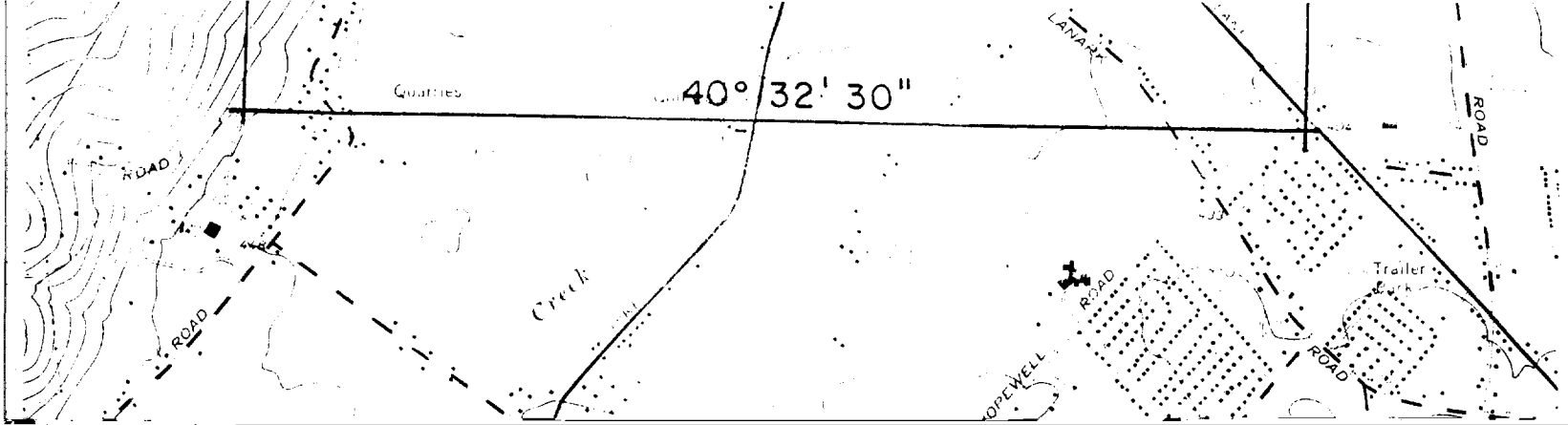
0.135 kw (Max) DA

245 Meters









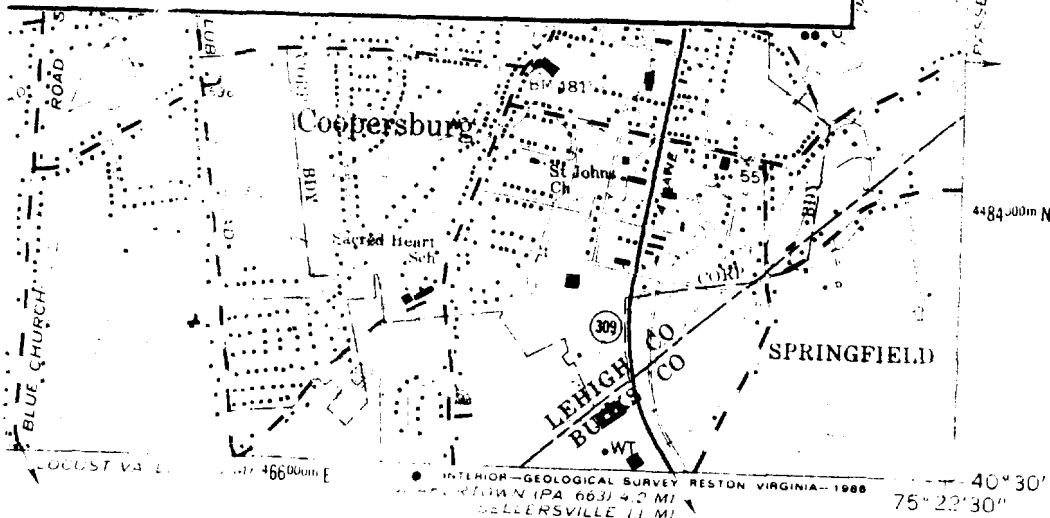
**EXHIBIT VB-4**

**CORRECTED - REPLACES EXHIBITS VB-4A & VB-4B**

**ON BROADCASTING CORPORATION  
FOR A NEW NON COMMERCIAL FM STATION  
ALLENTOWN, PENNSYLVANIA**

**0.135 kw (Max) DA**

**245 Meters**



**ROAD CLASSIFICATION**

- Light duty
- - - Unimproved dirt
- Inter State Route      U. S. Route      State Route

**ALLENTOWN EAST, PA.**

SW/4 ALLENTOWN 15' QUADRANGLE

40075-E4-TF-024

1964

PHOTOREVISED 1983

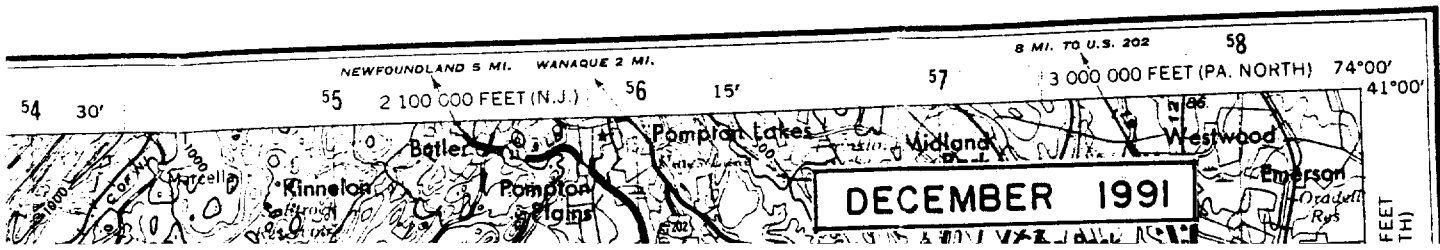
DMA 5965 III SW-SERIES V831

and woodland compiled in cooperation  
sylvania agencies from aerial photographs  
ces. This information not field checked



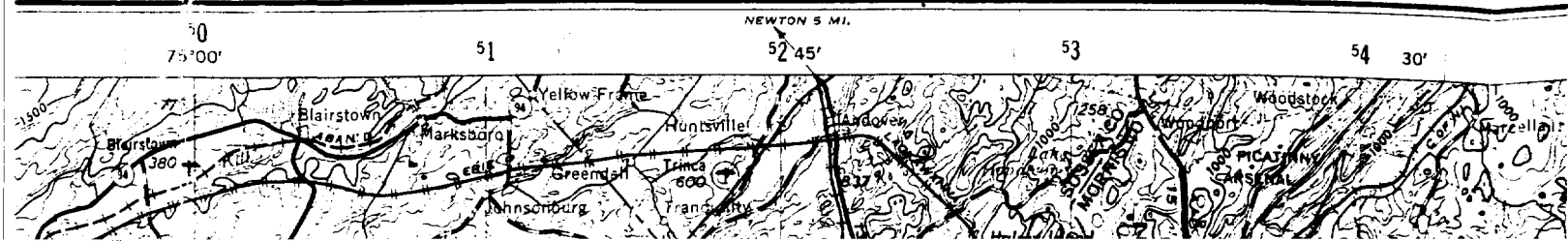
EDITION 3

NK 18-11  
SERIES V501

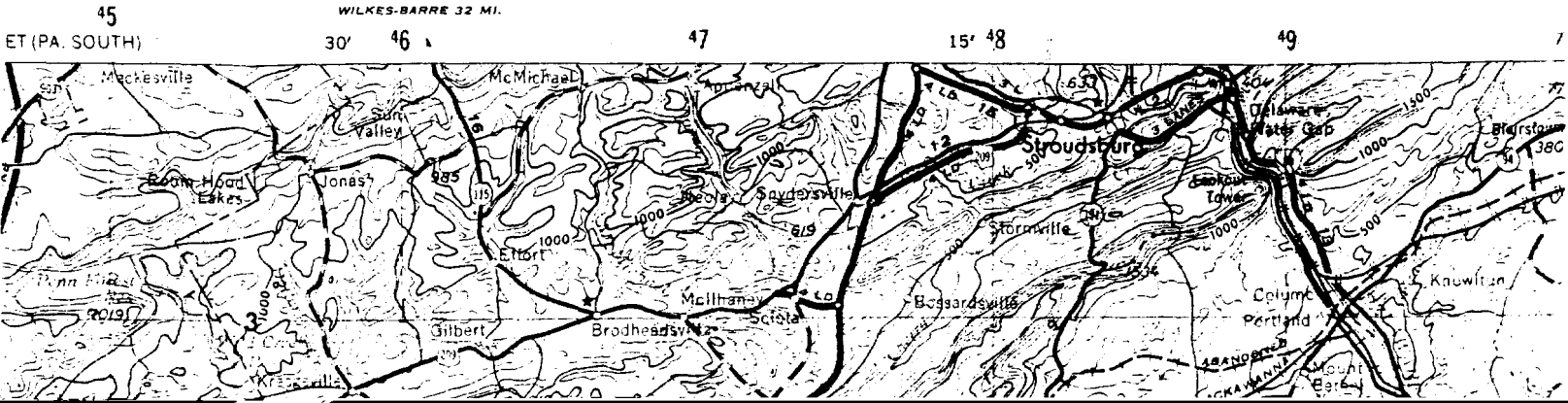


## NEWARK

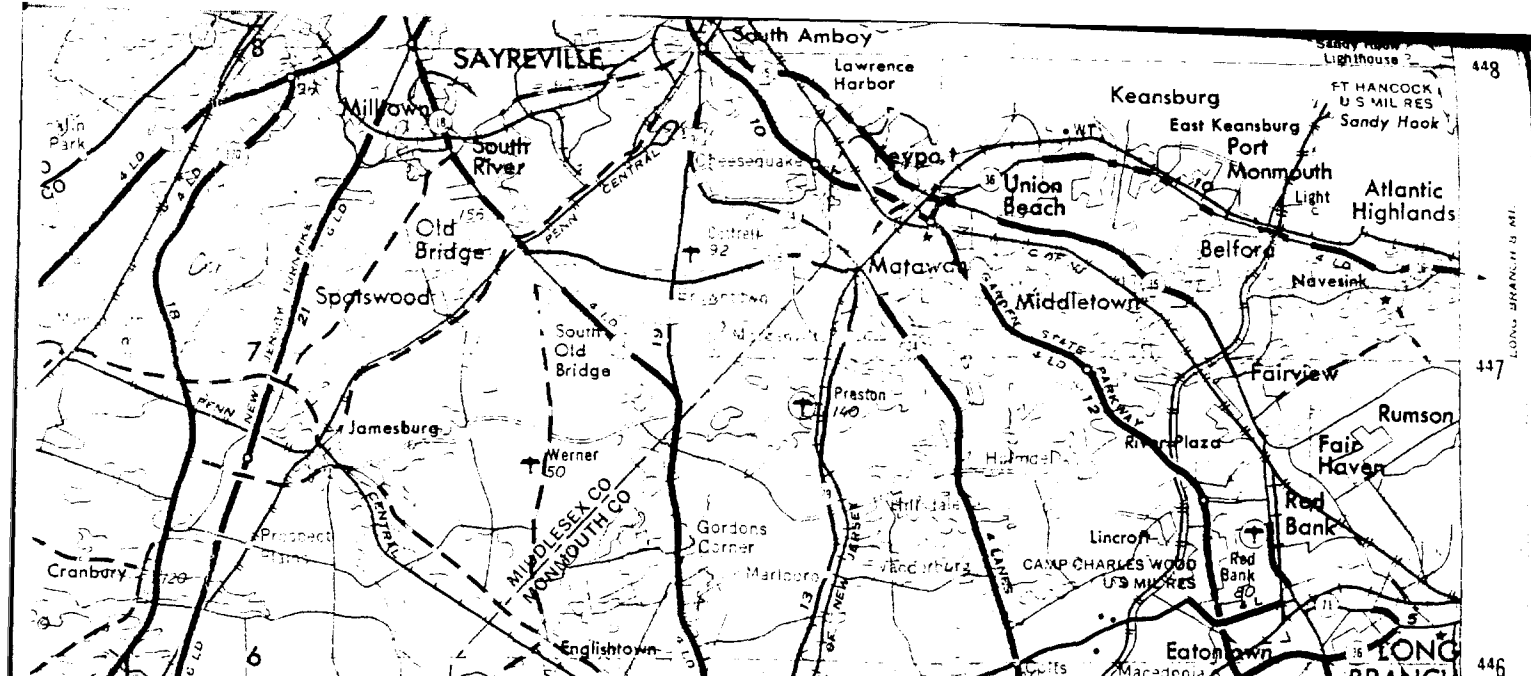
**EDITION 3**



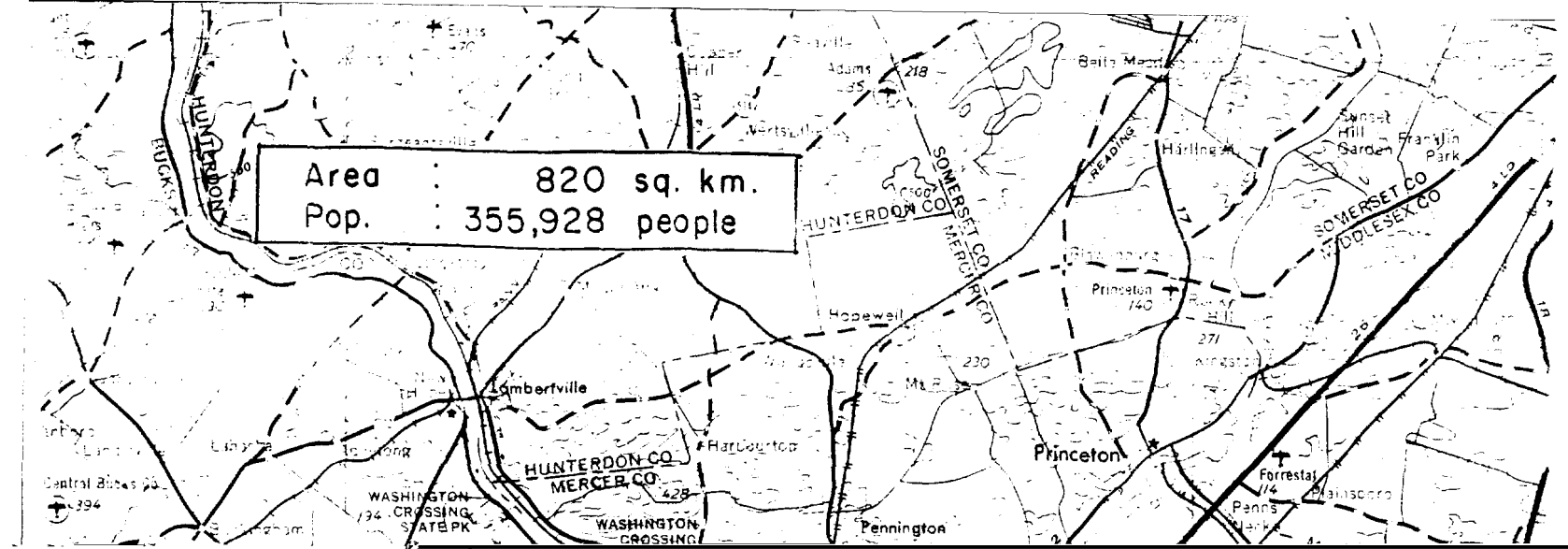
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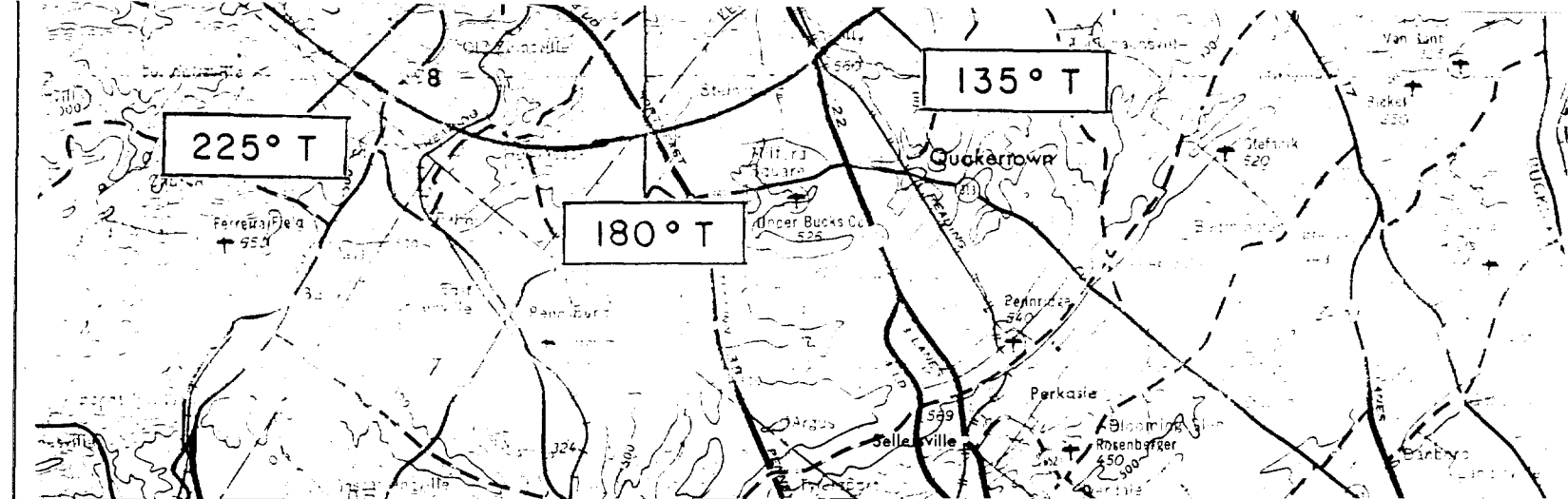


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Area : 820 sq. km.  
Pop. : 355,928 people





113

Bruck  
480

Leesport

500

Kutztown

Lappon

Fleetwood

300

225° T



